



IOWA DEPARTMENT OF NATURAL RESOURCES

REQUEST FOR SPECIAL WASTE AUTHORIZATION



Check one of the following:

☐ New Application

☒ Renewal, Existing SWA #: 42-SWA-11-06

The intent of a special waste authorization is to provide safe and proper management for disposal of wastes which present a threat to human health or the environment or a waste with inherent properties which make the disposal of the waste in a sanitary landfill difficult to manage. It is each landfill's responsibility to inform the waste generator if a waste should be handled as a special waste and to ensure that special wastes delivered to the landfill conform to the Special Waste Acceptance Criteria (SWAC) on file with the Department. It is the Department's responsibility to review each application for a special waste authorization to verify that the proposed waste can be landfilled under the current regulations in Iowa.

READ THE FOLLOWING INSTRUCTIONS BEFORE COMPLETING THIS APPLICATION

Waste Generator:

1. Complete Sections 1-3 of this application applicable to the waste characterization and disposal information.
2. Attach Toxicity Characteristic Leaching Procedure (TCLP) test results, material safety data sheet(s) (MSDS), or evidence of "processor knowledge" when appropriate that demonstrates the waste is not considered a characteristic hazardous waste exhibiting the properties of flammability, corrosivity, reactivity or toxicity or a listed hazardous waste as defined in 40 CFR Part 261, Subpart D.
3. Provide signature in Section 3 to verify that the information provided is true, accurate and complete.
4. Mail or deliver the completed application with attachments to the requested disposal destination (*must be a landfill that is authorized to accept waste from the service area of where the waste was generated*). Please contact Sue Johnson at (515) 217-0872 for a list of landfills authorized to accept waste from the service area in which your facility is located.

Receiving Landfill: Prior review of this application by the receiving landfill allows the department to more quickly process and evaluate the application.

1. Complete Section 5 of this application applicable to the landfill.
2. Indicate by signing the application that the landfill is willing to accept the waste if a Special Waste Authorization is issued by the department and if instructions for disposal of the waste, as contained in the landfill's SWAC, are followed by the generator.
3. Attach SWAC procedures for disposal of the waste.
4. Keep 1 copy for your records and submit the remaining one copy of the completed application with attachments (TCLP, MSDS, SWAC, etc.) to the department at the following address, or email to susan.johnson@dnr.iowa.gov:

Iowa Department of Natural Resources
Land Quality Bureau- Attn: Susan Johnson
6200 Park Ave Ste 200
Des Moines, IA 50321

Applications will be considered incomplete if not signed by both the waste generator and receiving landfill. The receiving landfill must attach a copy of the SWAC for the particular waste for which the application has been submitted.

Written notification of approval or rejection will be mailed or emailed to the generator and landfill. If approved, a copy of the authorization must accompany the waste hauler to the landfill.

For questions concerning this application contact Sue Johnson at (515) 217-0872 or susan.johnson@dnr.iowa.gov.

SECTION 1: WASTE GENERATOR INFORMATION

Name of Primary Contact* Jacob Zoss **Title** Biodiesel Superintendent
**SWA approvals will be sent to this person at the address provided below.*

Company Name Cargill, Inc. - Iowa Falls

Mailing Address 602 Industrial Rd.

City Iowa Falls **State** IA **Zip Code** 50126

Telephone # 765-404-7904 **Email Address** jacob_zoss@cargill.com

Address or location of the point of generation of the waste, if different from the company address:

Address _____

City _____ **State** _____ **Zip Code** _____

SECTION 2: WASTE CHARACTERIZATION

Waste determined to be hazardous may not be landfilled in Iowa. Attach TCLP analysis that demonstrates the waste is not considered hazardous. For raw or virgin materials being disposed of, a MSDS that indicates the waste is not hazardous may be submitted in lieu of a TCLP analysis.

The generator may also apply knowledge of the hazardous characteristic(s) of the waste in light of the materials or the processes used ("knowledge of process"). In order to use knowledge to characterize the waste, the knowledge that is applied must be valid and verifiable and the generator must be able to demonstrate the basis for their claim by providing supporting information to justify that conclusion.

Name and description of waste. Please address any RCRA listings derived from wastes etc., that may be applicable and why these listings would not pertain to the waste:

Paper/glycerin refinery waste

Has any pretreatment been utilized? If so, please describe the pretreatment process:

None

List the alternatives to disposal that were analyzed and reason not utilized (attach extra sheets if necessary):

None

Physical state at room temperature? ☒ Solid ☐ Semi-Solid ☐ Liquid
Percent (%) Solid: 100% pH: 8.6 Flashpoint: >200 deg F

Does this waste pass the paint filter liquids test?

Free liquids are prohibited from landfill disposal. Free liquids are defined as the liquid produced when a 100-millimeter or 100-gram representative sample is placed on a standard mesh number 60 (fine mesh size) conical paint filter for five minutes.

☒ Yes ☐ No

Is this waste a listed hazardous waste as identified in 40 CFR 261, Subpart D? Refer to the following web link to find listed hazardous wastes: <http://www.gpoaccess.gov/cfr/index.html>

☐ Yes ☒ No

Does this waste exhibit the property of *ignitability* as defined in 40 CFR 261, Subpart C?

☐ Yes ☒ No

Does this waste exhibit the property of *corrosivity* as defined in 40 CFR 261, Subpart C?

☐ Yes ☒ No

Does this waste exhibit the property of *reactivity* as defined in 40 CFR 261, Subpart C?

☐ Yes ☒ No

Does this waste exhibit the property of *toxicity* as defined in 40 CFR 261, Subpart C?

☐ Yes ☒ No

SECTION 3: WASTE DISPOSAL INFORMATION

Indicate the proposed disposal location and if this is a request for an ongoing disposal of a special waste or a one-time disposal. If on going, indicate the approximate amount in pounds to be disposed of quarterly.

Landfill Name* Rural Iowa Waste Management Association #42-SDP-01-72

*List only a landfill that is authorized to accept waste from the service area of where the waste was generated. Sue Johnson at (515) 217-0872 or susan.johnson@dnr.iowa.gov for a list of landfills authorized to accept waste from your facility.

☒ Ongoing (or intermittent) with an average disposal rate per quarter of 1,100,000 pounds

Indicate the amount on hand to be disposed of immediately: _____ pounds

☐ One time only, with an estimated quantity of _____ pounds

SECTION 4: WASTE GENERATOR CERTIFICATION

"I certify under penalty of law (§455B.417.1(c), Code of Iowa) that I have examined and am familiar with the information submitted in this document concerning hazardous waste, and all attachments, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete."

Applicant Signature:



Date:

5/12/25

Printed Name:

Jacob Boss

Title:

Riodiesel Supt.

See Landfill Information on the following page.


SECTION 5: LANDFILL INFORMATION

The following section is to be completed by the receiving landfill. By signing below, the landfill verifies that the application has been examined and if approved by the department, is willing to accept the waste described within, provided that instructions for disposal of the waste, as contained in the landfill's Special Waste Acceptance Criteria, are followed by the generator.

Prior review of this application by the receiving landfill will allow the department to more quickly process and evaluate the application. Please address the following:

Indicate the properties that lead you to believe this is a special waste:

Indicate any special handling procedures that the waste generator must follow prior to delivery at the landfill:

Name of Responsible Official*: Tanner Krum
**SWA approvals will be sent to this person at the address given below.*
Solid Waste Agency Name Rural Iowa Waste Management Association
Mailing Address 20488 M Ave
City Bellevue State IA Zip Code 50627
Telephone # 641-858-5904 Email Address Director@RIWMA.org
Responsible Official Signature:  Date: 6-27-25



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

11D1817

Client Sample ID: Glycerin Dumpster
Sample Matrix: Bulk-Solid
Lab Sample ID: 11D1817-02

Collected By: Unknown
Collection Date: 04/17/2025 9:00

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Conventional
Chemistry Parameters

	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 9045D								
pH, Soils	8.6	0.1	pH	1			04/30/25 1440	BSS
pH, Temperature	16.6	0.1	°C	1	H4		04/30/25 1440	BSS
EPA 9095B								
Paint Filter Liquids Test	No Free Liquids		-	1		04/24/25 1249	04/24/25 1438	KKJ

Determination of TCLP Metals

	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3010A/EPA 6010B								
Arsenic (TCLP)	<0.030	0.030	mg/L	1		04/24/25 1537	04/28/25 1352	JAR
Barium (TCLP)	0.044	0.010	mg/L	1		04/24/25 1537	04/28/25 1352	JAR
Cadmium (TCLP)	<0.005	0.005	mg/L	1		04/24/25 1537	04/28/25 1352	JAR
Chromium (TCLP)	0.011	0.010	mg/L	1		04/24/25 1537	04/28/25 1352	JAR
Lead (TCLP)	<0.020	0.020	mg/L	1		04/24/25 1537	04/28/25 1352	JAR
Selenium (TCLP)	0.077	0.050	mg/L	1		04/24/25 1537	04/28/25 1352	JAR
Silver (TCLP)	<0.010	0.010	mg/L	1		04/24/25 1537	04/28/25 1352	JAR
EPA 7470A								
Mercury (TCLP)	<0.00050	0.00050	mg/L	1		04/28/25 1234	04/29/25 1619	RVV

Determination of TCLP Volatile
Organic Compounds

	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 1311/EPA 5030B/EPA 8260D								
Vinyl Chloride (TCLP)	<0.020	0.020	mg/L	5		05/05/25 0000	05/05/25 1618	RAF
1,1-Dichloroethylene (TCLP)	<0.070	0.070	mg/L	5		05/05/25 0000	05/05/25 1618	RAF
2-Butanone (MEK) (TCLP)	<20.0	20.0	mg/L	5		05/05/25 0000	05/05/25 1618	RAF
Chloroform (TCLP)	<0.600	0.600	mg/L	5		05/05/25 0000	05/05/25 1618	RAF
Carbon Tetrachloride (TCLP)	<0.050	0.050	mg/L	5		05/05/25 0000	05/05/25 1618	RAF
Benzene (TCLP)	<0.050	0.050	mg/L	5		05/05/25 0000	05/05/25 1618	RAF
1,2-Dichloroethane (TCLP)	<0.050	0.050	mg/L	5		05/05/25 0000	05/05/25 1618	RAF
Trichloroethylene (TCLP)	<0.050	0.050	mg/L	5		05/05/25 0000	05/05/25 1618	RAF
Tetrachloroethylene (TCLP)	<0.070	0.070	mg/L	5		05/05/25 0000	05/05/25 1618	RAF
Chlorobenzene (TCLP)	<10.0	10.0	mg/L	5		05/05/25 0000	05/05/25 1618	RAF
Surrogate: Dibromofluoromethane	102	Limit: 57-134	% Rec	5		05/05/25 0000	05/05/25 1618	RAF
Surrogate: 1,2-Dichloroethane-d4	108	Limit: 53-140	% Rec	5		05/05/25 0000	05/05/25 1618	RAF
Surrogate: Toluene-d8	96.3	Limit: 86-114	% Rec	5		05/05/25 0000	05/05/25 1618	RAF
Surrogate: 4-Bromofluorobenzene	99.3	Limit: 78-121	% Rec	5		05/05/25 0000	05/05/25 1618	RAF

Determination of TCLP Semi-Volatile
Organic Compounds

	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 3520C/EPA 8270C								
Pyridine (TCLP)	<0.500	0.500	mg/L	1	Q3	04/29/25 1033	04/30/25 1518	PDS
1,4-Dichlorobenzene (TCLP)	<0.750	0.750	mg/L	1		04/29/25 1033	04/30/25 1518	PDS
o-Cresol (TCLP)	<20.0	20.0	mg/L	1		04/29/25 1033	04/30/25 1518	PDS

Microbac Laboratories, Inc., Newton

600 East 17th Street South | Newton, IA 50208 | 641-792-8451 p | www.microbac.com



Microbac Laboratories, Inc., Newton

CERTIFICATE OF ANALYSIS

1ID1817

Client Sample ID: Glycerin Dumpster
Sample Matrix: Bulk-Solid
Lab Sample ID: 1ID1817-02

Collected By: Unknown
Collection Date: 04/17/2025 9:00

Determination of TCLP Semi-Volatile Organic Compounds	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
m+p-Cresol (TCLP)	<20.0	20.0	mg/L	1		04/29/25 1033	04/30/25 1518	PDS
Total Cresols (TCLP)	<20.0	20.0	mg/L	1		04/29/25 1033	04/30/25 1518	PDS
Hexachloroethane (TCLP)	<0.300	0.300	mg/L	1		04/29/25 1033	04/30/25 1518	PDS
Nitrobenzene (TCLP)	<0.200	0.200	mg/L	1		04/29/25 1033	04/30/25 1518	PDS
Hexachlorobutadiene (TCLP)	<0.050	0.050	mg/L	1		04/29/25 1033	04/30/25 1518	PDS
2,4,6-Trichlorophenol (TCLP)	<0.200	0.200	mg/L	1		04/29/25 1033	04/30/25 1518	PDS
2,4,5-Trichlorophenol (TCLP)	<40.0	40.0	mg/L	1		04/29/25 1033	04/30/25 1518	PDS
2,4-Dinitrotoluene (TCLP)	<0.013	0.013	mg/L	1		04/29/25 1033	04/30/25 1518	PDS
Hexachlorobenzene (TCLP)	<0.013	0.013	mg/L	1		04/29/25 1033	04/30/25 1518	PDS
Pentachlorophenol (TCLP)	<10.0	10.0	mg/L	1	Q8	04/29/25 1033	04/30/25 1518	PDS
Surrogate: 2-Fluorophenol	124	Limit: 10-159	% Rec	1		04/29/25 1033	04/30/25 1518	PDS
Surrogate: Phenol-d6	123	Limit: 10-162	% Rec	1		04/29/25 1033	04/30/25 1518	PDS
Surrogate: Nitrobenzene-d5	125	Limit: 12-147	% Rec	1		04/29/25 1033	04/30/25 1518	PDS
Surrogate: 2-Fluorobiphenyl	142	Limit: 19-142	% Rec	1		04/29/25 1033	04/30/25 1518	PDS
Surrogate: 2,4,6-Tribromophenol	214	Limit: 15-166	% Rec	1	S1	04/29/25 1033	04/30/25 1518	PDS
Surrogate: Terphenyl-d14	165	Limit: 28-160	% Rec	1	S1	04/29/25 1033	04/30/25 1518	PDS

TCLP Extraction	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
EPA 1311/EPA 1311								
TCLP pH, Initial	4.9		pH	1		04/23/25 0934	04/24/25 1616	RVV
TCLP pH, Final	4.8		pH	1		04/23/25 0934	04/24/25 1616	RVV

Analyses Performed by: Keystone Materials Testing, Inc.

Flash Point by Cleveland Open Cup	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
ASTM D92								
Flash-Point	>94		Celsius	1		04/25/25 0838	04/25/25 1641	BHF
EPA 1030								
Burn Rate	<0.100	0.100	mm/sec	1	*BR-01		04/30/25 1359	BHF



Special Waste Acceptance Criteria

County Hardin Permit # 42-SDP-01-72P
Responsible Official Acting Director, or Acting Interim Director
Facility Rural Iowa Sanitary Landfill
Address 20488 M Avenue
City, State, Zip Eldora, Iowa 50627

Please make address corrections as necessary

Send completed form to:
Sue Johnson
Iowa DNR - Solid Waste Section
Iowa DNR
502 E 9th St
Des Moines IA 50319-0034

SPECIAL WASTE CURRENTLY ACCEPTED. Please provide information regarding special waste this facility is currently accepting for final disposal. Provide details for requirements for accepting and off-loading each special waste. NOTE: Completion of this form requires reference to Iowa Administrative Code 567-109. Please type or print in ink.

SWA Number 42-SWA-10-06 (biodiesel filter bags)

SWA Acceptance and Management Description

The Landfill Director may request periodic analytical testing with the cost being the responsibility of the Generator.

Material preparation requirements prior to landfilling: There are no special requirements. The waste must not contain free liquids.

Handling and disposal procedures at the landfill: The landfill staff will incorporate the filter bags into the working face as delivered to the landfill by the hauler. Waste will be deposited and covered with additional refuse and compacted and daily cover applied at the end of the day.

SWA Number 42-SWA-11-06 (paper/glycerin waste)

SWA Acceptance and Management Description

The Landfill Director may request periodic analytical testing with the cost being the responsibility of the Generator.

Material preparation requirements prior to landfilling: There are no special requirements. The waste must not contain free liquids.

Handling and disposal procedures at the landfill: The landfill staff will incorporate the paper/glycerin waste into the working face as delivered to the landfill by the hauler. Waste will be deposited and covered with additional refuse and compacted and daily cover applied at the end of the day.

Questions? Call or email:

Sue Johnson, Environmental Specialist, Susan.Johnson@dnr.iowa.gov, 515-217-0872

Becky Jolly, Statistical Research Analyst, Becky.Jolly@dnr.iowa.gov, 515-725-8308

04/2021 cmc

SWA Number 42-SWA-12-06 (DE filter waste)

SWA Acceptance and Management Description

Scheduling procedures: The Generator must deliver the waste to the landfill on Monday, Wednesday, or Friday as arranged with the Landfill Director.

The Landfill Director may request periodic analytical testing with the cost being the responsibility of the Generator.

Material preparation requirements prior to landfilling: The Generator must make all necessary efforts to deliver the landfill in a manner that minimizes potential combustion. The waste must not contain free liquids and must be able to pass the paint filter test (EPA Method 9095).

Handling and disposal procedures at the landfill: The landfill staff will direct the material to an area over the RCRA Subtitle D liner near the working face that is not part of the active working face. The material will be placed on a clay surface and immediately covered by landfill staff with clay soils using landfill equipment. The waste will be monitored throughout the day with additional clay cover applied if warranted.

SWA Number _____

SWA Acceptance and Management Description

If more room is needed, please follow the provided format and attach additional sheets.

CERTIFICATION

I certify under penalty of law that I am the owner, operator, or authorized representative of the owner or operator and that I have examined and am familiar with the information reported above, and that I believe the information is true accurate and complete.

Name of Person Certifying: Matt Ramker, Interim Director

Agency: RIWMA

Phone: 641-858-5904

Fax: matt@werecycle.net

Email: director@riwma.onmicrosoft.com

Signature: _____



8-14-25

Questions? Call or email:

Sue Johnson, Environmental Specialist, Susan.Johnson@dnr.iowa.gov, 515-217-0872

Becky Jolly, Statistical Research Analyst, Becky.Jolly@dnr.iowa.gov, 515-725-8308